

## SUBSTITUTE SPECIFICATION

## BOTANICAL/COMMERCIAL CLASSIFICATION

*Rosa hybrida* / Climbing Rose Plant

## VARIETAL DENOMINATION

cv. 'Meivaleir'

Summary of the Invention

The new variety of *Rosa hybrida* Climbing rose plant was created by artificial pollination wherein two parents were crossed which previously had been studied in the hope that they would contribute the desired characteristics. The female parent (i.e., the seed parent) of the 'Meipalsar' variety (non-patented in the United States). The male parent (i.e., the pollen parent) was the product of the pollination of the 'Korwest' variety (non-patented in the United States) and the 'Circus' variety (United States Plant Patent No. 1,382). The parentage of the new variety can be summarized as follows:

'Meipalsar' × ('Korwest' × 'Circus').

The seeds resulting from the above pollination were sown and small plants were obtained which were physically and biologically different from each other. Selective study resulted in the identification of a single plant of the new variety.

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It was found that the new variety of rose plant of the present invention possesses the following combination of characteristics:

- (a) exhibits a climbing growth habit,
- (b) abundantly forms attractive double blossoms having a luminous yellow-orange coloration,
- (c) forms dense medium green semi-glossy foliage that contrasts well with the light-colored blossoms,
- (d) exhibits good vigor, and
- (e) is particularly well suited for growing as attractive ornamentation in the landscape.

The new variety well meets the needs of the horticultural industry and can be grown to advantage in parks and gardens.

The new variety of the present invention can be readily distinguished from its ancestors. More specifically, the 'Meipalsar' variety displays copper-colored blossoms, the 'Korwest' is a Shrub rose plant with ovoid-shaped buds, and the 'Circus' variety is a Floribunda rose plant with urn-shaped buds. In contrast the buds of the new variety display a conical configuration.

The new variety has been found to undergo asexual propagation in France by a number of routes, including budding, grafting, and cuttage. Asexual

### **SUBSTITUTE SPECIFICATION**

propagation by the above-mentioned techniques in France has shown that the characteristics of the new variety are stable and are strictly transmissible by such asexual propagation from one generation to another.

The new variety has been named the 'Meivaleir' variety.

#### **Brief Description of the Photograph**

The accompanying photograph shows as nearly true as it is reasonably possible to make the same, in a color illustration of this character, typical specimens of the plant parts of the new variety. The rose plants of the new variety were two years of age and were observed during June while budded on *Rosa froebelli* understock and growing in outdoors at Le Cannet des Maures, Var, France. Dimensions in centimeters are indicated at the bottom of the photograph.

Fig. 1 - illustrates a specimen of a young shoot;

Fig. 2 - illustrates a specimen of a floral bud before the opening of the sepals;

Fig. 3 - illustrates a specimen of a floral bud at the opening of the sepals;

Fig. 4 - illustrates a specimen of a floral bud at the opening of the petals;

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**Fig. 5 - illustrates a specimen of a flower in the course of opening;**

**Fig. 6 - illustrates a specimen of an open flower - plan view - obverse;**

**Fig. 7 - illustrates a specimen of an open flower - plan view - reverse;**

**Fig. 8 - illustrates a specimen of a fully open flower - plan view - obverse;**

**Fig. 9 - illustrates a specimen of a fully open flower - plan view - reverse;**

**Fig. 10 - illustrates a specimen of a floral receptacle showing the arrangement of the stamens and pistils;**

**Fig. 11 - illustrates a specimen of a floral receptacle showing the arrangement of the pistils (stamens removed);**

**Fig. 12 - illustrates a specimen of a flowering stem;**

**Fig. 13 - illustrates a specimen of a main branch;**

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Fig. 14 - illustrates a specimen of a leaf with three leaflets -

plan view - upper surface;

Fig. 15 - illustrates a specimen of a leaf with five leaflets -

plan view - under surface; and

Fig. 16 - illustrates a specimen of a leaf with seven leaflets -

plan view - upper surface.

### **Detailed Description**

The chart used in the identification of the colors is that of the Royal Horticultural Society (R.H.S. Colour Chart). The description is based on the observation of two year-old plants during June while budded on *Rosa froebelli* understock and growing outdoors at Le Cannet des Maures, Var, France. The coloration in more common terms precedes reference to the chart in some instances. Such terminology is to be accorded its ordinary dictionary significance.

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**CLASS:** Climbing.

**PLANT:**

height -- approximately 150 to 170 cm in cane length at the end of the growing season.

habit -- climbing.

**BRANCHES:**

color -- young stems: near Yellow-Green Group 146C.

-- adult wood: near Yellow-Green Group 146A and 146B.

thorns -- size: medium (as illustrated).  
-- quantity: moderately numerous (as illustrated).

-- color: near Greyed-Orange Group 164B at the base and near Greyed-Orange Group 164A and 164B at the tip.

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## **LEAVES:**

- configuration: deeply concave on the lower surface.
- stipules -- adnate, pectinate, and rather broad.
- petioles -- near Yellow-Green Group 146B on its upper surface and near Yellow-Green Group 153D on the under surface.
- leaflets -- number: 3, 5, and 7.
- shape: elliptic, the base is generally symmetrical and obtuse and the tip is generally symmetrical with a broad point (as illustrated).
- serration: regular (as illustrated).
- texture: consistent, and rather firm.
- general appearance: very dense, medium green, and semi-glossy foliage.
- color (young foliage):

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upper surface: near Green Group  
139A and widely suffused with  
Greyed-Red Group 178B.

under surface: near Yellow-Green  
Group 147C and widely suffused  
with Greyed-Red Group 178B.

-- color (adult foliage):

upper surface: near Green Group  
139A.

under surface: near Yellow-Green  
Group 147C.

## **INFLORESCENCE**

number of  
flowers

-- on the main stem there commonly  
are approximately 7 to 10  
inflorescences with each  
inflorescence commonly bearing one  
or two flowers. The inflorescences  
appear on both old and new wood.



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peduncle -- near Yellow-Green Group 146D and suffused with near Greyed-Red Group 178C in coloration, and medium in size with aciculae and prickles.

sepals -- upper surface: elongated, tomentose, and near Greyed-Green Group 194B.

-- under surface: near Yellow-Green Group 146B with slight anthocyanin coloration and commonly with only a few short extensions (as illustrated).

buds -- shape: conical.

-- length: approximately 2.5 cm on average.

-- color:

upper surface: Chrome Yellow, near Yellow-Orange Group 14C, and

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lightly suffused with Empire Rose,

Red Group 48C.

under surface: Chrome Yellow, near

Yellow-Orange Group 14C, and

lightly suffused with Empire Rose,

Red Group 48C.

## flower

-- shape: double and cup-shaped.

-- diameter: approximately 9 to 10 cm  
on average.

-- color (when opening begins):

upper surface: Chrome Yellow, near

Yellow-Orange Group 14C, and

lightly suffused with Empire Rose,

Red Group 48C.

under surface: Chrome Yellow, near

Yellow-Orange Group 14C, and

lightly suffused with Empire Rose,

Red Group 48C.

-- color (when blooming):

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upper surface: Chrome Yellow, near  
Yellow-Orange Group 14C, and  
lightly suffused with Empire Rose,  
Red Group 48C.

under surface: Chrome Yellow, near  
Yellow-Orange Group 14C, and  
lightly suffused with Empire Rose,  
Red Group 48C.

-- color (at end of blooming):

upper surface: Chrome Yellow, near  
Yellow-Orange Group 14C, and  
lightly suffused with Empire Rose,  
Red Group 48C.

under surface: Chrome Yellow, near  
Yellow-Orange Group 14C, and  
lightly suffused with Empire Rose,  
Red Group 48C.

-- petal number: approximately 25 to  
39 on average.

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- stamen number: commonly  
approximately 52 on average.
- filament color: near Yellow-Orange  
Group 17C.
- Anther color: near Yellow-Orange  
Group 17C.
- Pollen: present in a moderate  
quantity and pale yellow in  
coloration.
- Pistil number: commonly  
approximately 73 on average.
- Style color: near Red Group 50A.
- Stigma color: near Yellow Group  
13A.
- petal drop: The petals commonly  
detach cleanly under dry growing  
conditions, and may persist  
somewhat under rainy growing  
conditions.

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- fragrance: none.
- lasting quality: long on the plant.  
  
A typical blossom commonly lasts approximately 7 to 10 days on the plant depending upon the environmental conditions. Since the plant is primarily intended for providing ornamentation outdoors, the longevity of the blossoms when cut and placed in a vase has not been evaluated.
- petal shape: the tip is rounded, the base is obtuse, on the external petals the margin is reflexed and undulated, and on the internal petals the margin is undulated.
- receptacle: near Yellow-Green Group 146D in coloration, and

**SUBSTITUTE SPECIFICATION**

funnel-shaped in longitudinal  
section.

**DEVELOPMENT**

<u>vegetation</u>	--	very vigorous and strong.
<u>blooming</u>	--	abundant.
<u>resistance to diseases</u>	--	very good with respect to Powdery Mildew and Black Spot even late in the growing season.